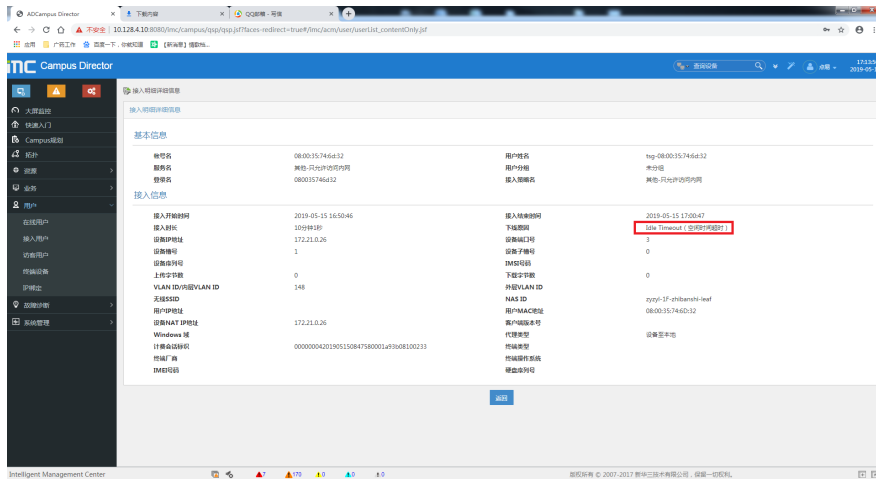


组网及说明

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问题描述

部分哑终端大概10分钟左右就掉线，下线原因Idle Timeout（空闲时间超时），DR2000控制器上没有做相关限制，有问题的普遍是刷卡门禁哑终端，一段时间没人刷卡就掉线了。



过程分析

1、首先查看认证设备leaf上的配置，未发现特殊的配置，leaf下行口主要配置如下：

```
interface GigabitEthernet1/0/10
port link-mode bridge
port link-type trunk
port trunk permit vlan all
port-isolate enable group 1
stp tc-restriction
mac-based ac
dot1x
dot1x critical vsi vsi3501
mac-authentication
mac-authentication domain adcampus
mac-authentication critical vsi vsi3501 url-user-logoff
port-security free-vlan 1 3501 to 3508 4093 to 4094
#
service-instance 3501
encapsulation s-vid 3501
xconnect vsi vsi3501
arp detection trust
```

2、哑终端掉线过程中，采集debugging mac-authentication all、debugging radius all信息，发现如下信息：

```
*May 17 16:36:49:590 2019 zyzy1-1F-zhibanshi-leaf RADIUS/7/EVENT:
PAM_RADIUS: RADIUS accounting updated.
*May 17 16:36:49:591 2019 zyzy1-1F-zhibanshi-leaf RADIUS/7/EVENT:
PAM_RADIUS: Fetched accounting-update reply-data successfully, resultCode: 0
*May 17 16:36:49:591 2019 zyzy1-1F-zhibanshi-leaf RADIUS/7/EVENT:
Sent reply message successfully.
<zyzy1-1F-zhibanshi-leaf>*May 17 16:37:02:581 2019 zyzy1-1F-zhibanshi-leaf RADIUS/7/EVENT:
PAM_RADIUS: RADIUS accounting stopped.
*May 17 16:37:02:581 2019 zyzy1-1F-zhibanshi-leaf RADIUS/7/EVENT:
PAM_RADIUS: Sent accounting-stop request successfully.
*May 17 16:37:02:581 2019 zyzy1-1F-zhibanshi-leaf RADIUS/7/EVENT:
Processing AAA request data.
*May 17 16:37:02:581 2019 zyzy1-1F-zhibanshi-leaf RADIUS/7/EVENT:
Got request data successfully, primitive: accounting-stop.
```

从上述信息看，设备主动发送计费停止报文，radius服务器相应计费停止报文后，终端掉线。

至于设备为什么会主动发出计费停止报文？查阅官网mac地址认证章节，发现设备端口开启mac地址认证时，端口的MAC地址认证下线检测功能缺省是处于开启状态（mac-authentication offline-detect enable）。于是，告知现场工程师手动关闭端口的MAC地址认证下线检测功能（undo mac-authentication offline-detect enable），经测试，哑终端不再下线，故障问题解决。

解决方法

关闭leaf下行认证接口的MAC地址认证下线检测功能undo mac-authentication offline-detect enable。